

What is claimed is:

1. A chromatograph mass spectrometer for sequentially processing a sample, comprising:

5 a setting device for setting a plurality of spectrometry conditions for mass spectrometry beforehand,

10 a spectrometry execution device electrically connected to the setting device for executing a cycle of the mass spectrometry while changing one of the spectrometry conditions set by the setting device whenever one mass scan is carried out, said spectrometry execution device sequentially executing the cycle of 15 the spectrometry repeatedly, and

15 an operation device electrically connected to the spectrometry execution device, said operation device adding spectrum intensities within a predetermined mass range in mass spectrum data obtained in the one mass scan whenever the one cycle of the mass spectrometry is completed, and adding sums of the spectrum intensities to obtain chromatogram data; or obtaining the chromatogram data by adding the mass spectrum data with respect to a specific mass number obtained by each mass scan.

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2. A chromatograph mass spectrometer according to claim 1, further comprising an introducing section for introducing the sample, a chromatograph portion connected to the introducing section for separating components in the sample along a passage 25 of time, a mass spectrometry portion connected to the chromatograph portion for analyzing the components, and a fraction collector connected to the chromatograph portion for collecting the respective components based on information obtained in the mass spectrometry portion.

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3. A chromatograph mass spectrometer according to claim 2, further comprising a fraction control device electrically connected to the operation device for controlling the fraction collector based on the chromatogram data obtained by the 5 operation device.

4. A chromatograph mass spectrometer according to claim 3, wherein said operation device adds the spectrum intensities in the one mass scan with an added value in another mass scan.

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5. A chromatograph mass spectrometer according to claim 1, wherein said chromatograph mass spectrometer is a liquid chromatograph mass spectrometer.

15 6. A chromatograph mass spectrometer according to claim 1, wherein said spectrometry execution device executes the spectrometry in a molecular ion detection mode and a fragment ion detection mode alternately.